## ALPHABETICAL INDEX

FOR

## VOLUME III MINING CONGRESS JOURNAL

A		Brunton, D. W. (cut)	423
Accident record	138	Buckley, Dr. E. R. (cut)	421
statistics	49	Bureau of Mines at American Min-	
in 1915	40	ing Congress	16
Acid production	256	Achievements of year	17
Adamson law	124	Nitrogen work	20
Alaska	166	Metalliferous work	23
Conservation in	58	Proposed transfer of	53
Production for 1916	60	Branches of	67 78
Alaskan coal	30 264	Burgess, G. K., returns from France.	222
Aluminum		Burns, John T. (cut)	439
American Mining Congress	421	Buyers' directory	2f
440, 447,		and the state of t	41
Ammonia, production of		C	
Annual assessment bill		California industrial commission	113
Antimony		minerals	260
refiners of		oil report	174
Arbitration	141	production for 1916	33
Arizona chapter	170	Callbreath, James F. (cut)	427
Arizona, history of mining	77	Canadian Mining Institute	129
production in 1916	22	Car economy	251
Armour plate plant 101, 122,		serviceshortage	204
Arsenic		situation improves	314
Asbestos	202	Carranza, decree	127
Ashley, G. H., goes to Vanderbilt	14	Cartoon	266
Ashurst, Senator (speech)	331	Cement shipments in 1916	26
Assessment liability		Central American oil work	122
Assignments charged	300	Ceramics industry gets station	314
Attorney General's opinion	347	Chamber of Commerce work	467
R	341	Chemical committee	207
		Chromic iron ore	243
Baker, Ray T. (cut)	454	Clay, Kentucky disaster	325
Ball, Max W., requests hearing		Clevenger, G. H. (cut)	240
Barneson, John (cut)		Coal, Anthracite committee	314
Bastin, E. S Bauxite, independent buyers of Beal, Carl H	370	Anthracite prices	307
Real Carl H	176	production	338
Big Creek Mining Company (cut)	361	Less smokeless for Chicago Price-fixing conference	233
Bills in Congress		Federal trade report	234
Bisbee deportations	434	pooling of anthracite	237
and the I. W. W	266	lake cargo rate	241
Bismuth		anthracite haulage	242
Black, Paul S	323	waste of	248
Bliss, Miss Eleanor (cut)	159	labor men added to committee	249
Boalich, Edwin I. (cut)	274	tentative price for Navy	256
Box car unloaders	266	tidewater exchange	259
Braden copper mine	370	reports of production	

smokeless operators meet	267	price increase	390
weekly statement 268,	278	price schedule advanced	370
rates to Central Freight Association	210	price senedule advanced	319
	374	priority order suspended	
territory		railroad fuel	387
Government pool	276	shortage of	403
car situation	278	shortage of	386
Northwestern supply		State Puel Administration 201	300
		State Fuel Administrators 384,	394
overloading cars		traffic manager named	386
apportioning of	281	wage scale agreement	387
production increases	282	anthracite price increased	128
box car unloaders		Planualt calso discortes	150
		Blauvelt coke director	450
distribution of anthracite		Canadian supplies	439
uniform price	187	car shortage 462,	464
public a factor		association statement	
lake pooling agreement	10.1	110 156 157	161
		conservation 440, 456, 457,	404
speculator scored		appeals to associations	356
panic prices	199	August shipments	361
miners' enlistments	207	Federal Trade Commission asks for	
price fixing			261
		data	301
Washington yard	152	fuel administration	
Crows' nest samples	152	Garfield's rulings	350
new mines	156	licenses for exports	
reorganize fuel department		Neticed Cod Association	350
reorganize fuer department	130	National Coal Association	3/0
fuel situation		Nims, Harry D	354
Big Muddy case	162	Peale, Rembrandt	365
Call for statistics	165	price fixed	
outpoint at mine	166		
experimental mine		retail regulation	
in northwest	108	Snead, L. A	348
new map	174	Spot regulation	351
accomplishes more	389	White, John P. (biography)	
anthracite operators	106	white, John 1. (blography)	112
		conservation of	
prices	393	dock prices	465
shipments	393	El Paso prices	452
representative	390	essential industries	
railroads	300	Hinckley, B. G.	
Baird, F. C	388	Illinois agreement	456
Canadian arrangement 388,	405	Iowa scale	442
central competitive field	387	Iellico increase	
Chicago receipte	101		
Chicago receipts	404	labor safeguards	
cleaning plants	318	lake priority	455
production 386, 392,	401	Michigan situation	464
competitive field agreement	387	more coal for east	464
consumers' part	30.1	more coal for east	165
		New Mexico prices 458,	405
conservation	393	non-essential industries	463
demand unprecedented	382	Oklahoma situation	455
distribution	300	non-essential industries Oklahoma situation penalty clause 420, 454, 455, prices "Subject to Revision"	461
Pairmount arious	102	penalty clause 420, 454, 455,	121
Fairmount prices	102	prices Subject to Revision	431
forty-five cent increase		priority	453
fuel conservation	393	priority	463
fuel administration statistics		railroad fuel	158
Garfield on strikes		smokeless prices	409
Governor: see Garfield		southwest accepts penalty	
growth of industry	393	Tidewater exchange	465
Jellicoe wage dispute. 385, 386, 394	402	Utah administrator	
inthe major dispute. Boo, boo, or	101		
jobbers' commission		chapter	451
labor shortage	406	wage agreement	436
Learoyd, A. S	390	wood as fuel	469
Leavenworth prices	405	detailed statement	97
Michigan schedule			
		fatality rate	
mine air	404	inspections	112
more coal burned	404	January tonnage	99
National Coal Association 402	40.3	new production	93
		new production	
New Mexico prices		variation in statistics	93
Norfolk pier		railroad classification	91
open-top car order	380	refuses to halt suit	88
Peale, Rembrandt	389	Safety service	
Peale, Rembrandt	297	Panaldia County Association	100
remisyrvama Ramoad Coal	301	Franklin County Association	49

Authracite prosperitybureau	49 57	Douglas, Walter (cut). Du Pont, buy new factory.	424
rates 57,	64	Duschak, L. H. (cut)	366
situation misjudged	59	Dynamite	392
Kentucky production	62		
Crow's Nest mines	63	E	
storage of	65	Editorials, a national problem	45
in bituminous field	65	The dominant political factor	46
	122	Economy in paper	46
	125 128	F. G. Cottrell	47
shipments decrease		Government confiscation	47
rock dusting		Government printing	48
	146	A menace to government	48
trade associations	10	A courageous example	
First aid	10	Announcement	220
competition	16	Annual assessment bill	339
report delayed	26	Loyalty and the closed shop	340
institute meeting	31	Government control of business	0.10
prevention of explosion	41	combinations	340
production in 1916	41	The fuel administration	
cost of production	43	The coal supply	
land leasing	8	Responsibility for coal shortage	342
	338	Lever bill and coal prices	343
shipments		Coal cooperation after the war	344
Coghill, Will H. (cut)	91	Price fixing	344
by-product	49	Industrial disputes investigation.	
figures		The farmer and the miner	
record for 1916	9	The Republic as a war machine	340
report out	44	Colorado industrial disputes inves-	0.4
production		tigation act	81
prices	462	May be issue soon Step toward industrial peace	81
price fixed	352	Cooperation the keynote	81
Colombian taxes high	98	Investigation of industrial disputes	
Colorado chapter	432	Failure of leasing system	
new research		Upto the administration	
oil	243	The way to resume	81
production in 1916	24	Another labor war threatened	81
Committee on coal production .: 189,		Industrial disputes act	115
Conrad, William M. (cut)	452	Copper producers' lift	115
Congress	133	Mining and conservation	
Conservation of iron	225	Organized labor	
Coombes, E. Russell (cut)		The Survey and preparedness	
Cooperation in West	130	A western opportunity	
Copper committee	196	Metal mine accidents	
mine strikes	141	Price regulations	
price fixed		John W Crawford	110
producers report	383	John W. Crawford Western action	119
production, 1916.	15	Cooperation	120
purchases	160	Preparedness	1.20
Corvallis station	94	Twentieth anniversary	181
"Cost of coal" 54, 60,	, 76	State and Federal revenues	182
Cost sheets. Council of national defense 205, 347,	420	Cooperation in the mining industry	183
Crashy Cas H (cut)	107	"The food situation"	
Crosby, Geo. H. (cut)	+2+	Preaching and practice	
Curry I E (out)	160	Cooperative coal company	185
Curry, J. E. (cut) Cyanide expert called	100	Loyal service expected	
Cyanide	281	The coal board	
	201	The business outlook	180
D		Slackers	261
Darton, N. H. (cut)	89	Coal situation	261
Dern, John (cut)	422	Give business a chance	
Dern, John (cut) DeWolf, Frank W. (cut)	319	Government pool	
Douglas, Dr. James, retires	121	Treason	

Death of high gradingOil flotation monopoly	. 262	F	
Alaskan coal	264	Far cast survey	. 13-
Covernment price fixing	220	Farmers may profit	38
The business of government	220	Fatalities in coal mines	. 8
California oil claimants	. 229	Fatality rate	95
Gold production	. 231	Federal legislation Federal Reserve reports on mines	206
Wealth distribution	232	Federal Trade Commissions	237
U. S. Chamber of Commerce	. 232	Report on coal.	237
Shall courts be upheld	. 407	Fellowships	163
Annual meeting of members	. 408	Fenner, Wm. L. dies	165
Increasing prices	. 408	Fifteen per cent case	202
Fruits of cooperation	410	First aid	283
Fuel economy		class	165
Future of silver	411	Firing method	323
Priotiry orders	. 412	Fitch, Walter	173
Loyalty of labor	412	Flotation, interfering factors Oil from wood waste	100
Bache-Denman case	. 413	Sagebush oil	91
Silver conference		Flotation studies	252
Safety first	. 414	at Corvallis	252
War excess profits tax		at Salt Lake City	256
Centralization of government Distribution costs	. 147	Frankfort ammunition	378
Statistical returns	147	Friedman, L. A. (cut)	425
Pledges aid to United States	140	Fuel loss prevented	323
Burdens of war		G	
Right to a job		Garden movement	252
War bulletins		Garfield made dictator	306
Preparedness		Gasoline finding	163
Organization in the coal industry		Geologist and the reserve corps	98
Popular publication The weakest link		Geologists in warlisted	249
Power without responsibility		Gila reservation	168
Annual assessment work		Globe-Miami strike	384
Arbitration idea		Glossary	128
Business combinations	1	Golden station	146
Investigation of disputes		Goodman, Herbert E	391
Anomalous situation		Goodrich, R. R. (cut)	176
National efficiency		Goodwin, Chas C., dies	354
Seven-hour day	4	Government printing	51
Proceedings, 1916 convention		Graphite mining increasing	112
Minerals Separation case	7	н	
Rice serves Canada			245
Geologists warned		Hamilton, Fletcher (cut)	94
An example and an appeal		Henderson, C. W. (cut)	57
Department of mines and mining.		Hess, Frank L. (cut)	21
Dry now, eat next winter Industrial slavery	300	Hewett, Donnell F. (cut)	125
Closing of small mines		High grading	261
Public lands question	301	Hill, James M. (cut)	244
Western mine development	301	Hill and McGraw companies unite	
Price of coal	302	Holmes memorial volume	67
A growing mining organization		Holmes safety association	38
The oil situation		Home safety association	
Worse than a deserter	304	Hoover addresses engineers	110
Like red peppers	306	Hotchkiss, W. O 277,	312
Electric power in west	247	Hydraulic filling	26
Experiment station	306	I	
Explosives act	450	Idaho, production in 1916	37
bill 159, 196, 280,	353	Intercollegiate bureau	135
stealing of		Interior building (cut)	136
inspectorlicensors		Iron, in China	63
HCCHOOLD	139	beneficiation of	08

T			
Iron, story of	273	Military survey	98
Iron ore price fixed	352	Mine rescue cars 168,	255
Iron ore production	222	1: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Ton ore production	333	dividends	9
Iron ore reserves	246	rescue training	128
Iron, production in 1916	22	supports	64
experiment station		Min d	64
		Mineral reports	161
Iron pyrite	194	production	21
I. W. W. arraigned	331	Miners' consumption	250
I W W at Richae	366	Willers Consumption	
I. W. W. at Bisbee	266	Minerals separation case	11
1		Mining a real business	279
J		nofety of	
Jobbers margins	307	safety of	56
Tobbers margina	307	engineers listed	123
Jones, Senator	145	Congress Isument discussion 6	140
Joslin, Falcon (cut)	445	Congress Journal, discussion of	
Luliba Caul E (aut)	4.75	work	34
Julihn, Carl E. (cut)		Congress history	421
Junior mining engineer	124	Commence in south	421
		Congress in south	440
K			
Tr D Co. I		Moderwell, C. M. (cut) 180,	400
Kansas Rescue Station	155	Moder well, C. M. (cut) 180,	426
Keith, Charles S. (cut)		Montana, production in 1910	2.3
Trenting Children C. (Cite)	420	employers' association	225
Kemmerer, M. S. (cut)	425	Af association	333
Kentucky, operators meet	16	Moore heads mining engineers	90
	10	Moore, Richard B. (cut)	2.10
L		More seed moved	247
		More coal moved	328
Laboratories completed	312	Moscow station 94,	241
Labor Commission	204	Muscle Shoals chosen	204
Labor Commission	384	Professionals Chosen	386
mine operators' views	102	**	
shortage	306	N	
		Notional and biblish	
situation	201	National prohibition	242
Lead from Mexico	442	Narramore, Chester	152
imports increase	212	Nevada, production for 1916	
miports merease	312	revada, production for 1910	36
pigments	319	Navajo country	361
producers report		Navy battleship coal	256
production for 1016	303	Maala James D	230
production for 1916		Neale, James B	197
Leasing bill	333	New Mexico, production in 1916	28
Leaver, Edmund I., appointed	100	Newton, Edmund (cut)	455
reaver, Edinand I., appointed	100	Newton, Edinand (cut)	457
Legal decisions	111	Nickel	378
Legislation	177	Nitrate plant 133, 369,	206
Limited	111	Vitestan	300
Lignites	02	Nitrates	396
Lignites treated in Denver	31	Nitrogen	56
Loughlin, G. F. (cut)	120	Northwest convention	
I was a second of the second o	130	Minima America	41
Lynott, Dr. W. A. (cut)	94	Mining Association	140
Lynott, Dr. W. A. (cut)	165	coal	309
Lyon Dorson A	100		203
Lyon, Dorsey A	193	0	
M			
M		Oatman district, study of	79
Mackenzie, A. G. (cut)	151	Oil Burton proces	19
Magnarita in California	401	Oil, Burton process	388
Magnesite, in California	66	crude oil price	383
Manganese 203, 277,	433	fivation of price	202
development	220	fixation of price	383
development	239	Northrup, J. D., on war situation.	395
purchasers	362	an essential	202
Manning, Van H	212	notroloum's importance	302
member defense committee	212	petroleum's importance	395
member detense committee	212	price fixing opposed	383
praises Holmes volume	212	war supplies	400
Mechanical committee	100	Alaskan I t.	400
	150	Alaskan lands	444
ventilation	362	California settlement	430
Mediation commission	434	land in Alaska	130
Membership committee	452	And in Amster.	444
	433	petroleum output	454
meeting	447	tank ships needed	442
grows	327	Wyoming oboot	113
Morit rating	120	vi young chapter	442
Merit rating 187,	128	flotation	263
Merrill, Chas, W	387	land leasing bill	266
Metals, Assessment bill substitute	321		
mine work to be-	024	occurrence	35
mine work to begin	88	origin of	- 44
mine accidents	129	production for 1916	
Metallurgical examination	21	production for 1910	35
plants	21	search for	55
plants	156	new process	67
practice improves	332	shale reserve	0/
	002	SHAIC ICSCIVE	58

Open-top car order		Rescue cars, itinerary 360, 389
Operators' association directors		Resuscitating devices
Ore classification	173	Retail coal prices probed 316
price fixed	352	Retailers scored in report 313
Oregon Bureau of Mines	30	Revenue bill
Ownership statement		Revenue bill
Oxygen, impurities in		tigation
P		on war work
	100	Richards, I. H. (cut)
Parker, Dorsey J. (cut)	188	Richards, W. J. (cut)
Paint manufacturers alarmed		Richards, W. J. (cut)
Parson's patents	193	Russian scientific commission 311
Paul, J. W Payne, Dr. Henry Mace (cut)	153	Ryan, Francis C., appointed 90
Permissible explosives	275	S
Permissible explosives	164.	Safaty First (woom)
212, 283, 338, 406,	469	Safety First (poem)
Peru, mineral output of	4.5	Safety first train
Phosphate	194	Safety work
Pichard, B. O. (cut)	198	Salaries
Pittsburgh dedication postponed		Sargent, R. H. (cut) 160
laboratory	142	Scholz, Carl
Placer laws as applied to oil 329, statistics	40	Scholz, Carl. 245, 423 Schluederberg, Geo. W., dies. 168
Platinum		Scrap on farms
need of	198	Seattle experiment station
Postal statement 169, Potash 94, 133, 146,	396	Sebastian, Don B. 174 Silver, in 1915
Potash 94, 133, 146,	266	Sink shaff quickly 337
at cement plants	57	Slackers
in iron blast furnaces		Smith, George Otis, Albany speech . 26
bill passes Senate		annual report
leasing bill	303	cartoon
Powder prices President's mediation commission,	438	Smith, H. I
Prices fixed		Smokeless operators meet 267
Price-fixing conference	234	Soper, E. K. (cut) 134 South Sakota, production for 1916 26
Priority order	309	Spelter, drawback on
order No. 2	380	producers report 383
Producer gas plants		production
Production declines		Steel price
Progress in mineral industries		trade control bill
Prospectors to be aided	282	review
Pyrite situation	368	Strikes in west
users of		practices
		settled
Q		Submarine excavation
Quicksilver	390	Sulphur 180
R		reserve. 240 Sundry Civil Bill. 241
Radium plant sold	77	Surveye to cooperate
receipts		Surveys to cooperate 254
Railroads pool facilities		T
Railroad valuation	373	Talmage, James E. (cut) 426
compulsory arbitration	373	Tax defeated.       26         Taylor, Samuel A. (cut).       422
Lever act	374	Taylor, Samuel A. (cut)
the one weakness	374	Tariff coming up
Annual meeting	375	Technical papers popular
Government acid plant	378	Texas, production for 1916. 42 Tidewater coal exchange. 259
Lesher	378	pooling
Raudenbush, Wm. A., dies	159	Tin
Raw material imports	388	committee 212
Regional banks report	160	conservation
Reno celebrates	126	domestic development
Replogle appointed	436	mines inspected

1		
89 42 16 13 50 97 23 270 421 427 274 311 90 24 141 167 39 20 168 381 131 174 51 337 261 261 26 19 41 155 267 134	Tyrone district.  U Umpleby, Joseph B. (cut). Uniform laws. Utah chapter. notes. production in 1916. tax law. V Van Barneveld chosen. Virginia, zinc production.  W	Westervelt, Wm. Y   277   27